

Please amend claim 1 as follows:

Q2 1 1. (Amended) An optical reader comprising:  
2 an imaging assembly;  
3 a processor in communication with said imaging assembly; and  
4 a memory in communication with said processor having an operating  
5 program stored thereon for controlling operation of said optical reader, said optical  
6 reader being adapted to receive a component control instruction from a  
7 nonintegrated processor, and further being adapted to execute said component  
8 control instruction from said nonintegrated processor.

1 2. The optical reader of claim 1, wherein said component control instruction  
2 is a remote trigger activation instruction.

1 3. The optical reader of claim 1, wherein said component control instruction  
2 is a remote trigger release instruction.

1 4. The optical reader of claim 1, wherein said imaging assembly includes an  
2 illumination source, wherein execution of said component control instruction results  
3 in said illumination source being controlled.

1 5. The optical reader of claim 1, further comprising an acoustic output  
2 device, wherein execution of said component control instruction results in said  
3 acoustic output device being controlled.

1 6. The optical reader of claim 1, further comprising a display, and wherein  
2 execution of said component control instruction results in a predetermined indicia  
3 being displayed by said display device.

Please amend claim 7 as follows:

Q3 1 7. (Amended) The optical reader of claim 1, wherein said memory stores at  
2 least one frame of image data, and wherein execution of said component control  
3 instruction results in said at least one frame of image data being uploaded to a

Q3  
cont<sup>4</sup>. nonintegrated processor.

1 8. The optical reader of claim 1, wherein execution of said component  
2 control instruction results in said processor controlling said imaging assembly to  
3 capture a frame of image data in said memory.

Please amend claim 9 as follows:

1 9. (Amended) An optical reader system comprising:  
2 a portable optical reader having an imaging assembly, a reader processor in  
3 communication with said imaging assembly, and a reader memory in  
4 communication with said reader processor, said optical reader being adapted to  
5 receive a component control instruction from a nonintegrated processor; and  
6 said nonintegrated processor adapted to transmit a component control  
7 instruction in response to a user input command to control said optical reader;  
8 said optical reader being programmed so that said reader processor executes  
9 said component control instruction substantially on receipt of said component  
10 control instruction from said nonintegrated processor.

1 10. The optical reader system of claim 9, wherein said component control  
2 instruction is a remote trigger activation instruction.

1 11. The optical reader system of claim 9, wherein said component control  
2 instruction is a remote trigger release instruction.

1 12. The optical reader system of claim 9, wherein said imaging assembly  
2 includes an illumination source, and wherein execution of said component control  
3 instruction results in said illumination source being controlled.

1 13. The optical reader system of claim 9, wherein said optical reader  
2 includes an acoustic output device, and wherein execution of said component control  
3 instruction results in said acoustic output device being controlled.

1           14. The optical reader system of claim 9, wherein said optical reader  
2 includes a display, and wherein execution of said component control instruction  
3 results in a predetermined indicia being displayed by said display device.

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Please amend claim 15 as follows:

Q5 1           15. (Amended) The optical reader system of claim 9, wherein said reader  
2 memory stores at least one frame of image data, and wherein execution of said  
3 component control instruction results in said at least one frame of image data being  
4 uploaded to said nonintegrated processor.

1           16. The optical reader system of claim 9, wherein execution of said  
2 component control instruction results in said reader processor controlling said  
3 imaging assembly to capture a frame of image data in said reader memory.

Please add new claims 17-64 as follows:

1           17. The reader of claim 1, wherein said reader includes a gun style housing.

1           18. The reader of claim 1, wherein said reader includes a gun style housing,  
2 and wherein said component control instruction is a trigger activation instruction.

Q4 1           19. The reader of claim 1, wherein said reader includes a gun style housing,  
2 and wherein said component control instruction is a trigger release instruction.

1           20. The reader of claim 1, wherein said reader includes a gun style housing  
2 and an illumination source, and wherein said execution of said component control  
3 instruction results in said illumination source being controlled.

1           21. The reader of claim 1, wherein said reader includes a gun style housing  
2 and an acoustic output, wherein execution of said component control instruction  
3 results in said acoustic output device being controlled.

1 22. The reader of claim 1, wherein said reader includes a gun style housing  
2 and wherein said memory stores at least one frame of image data, and wherein  
3 execution of said component control instruction results in said at least one frame of  
4 image data being uploaded to said remote processor.

1 23. The reader of claim 1, wherein said reader includes a gun style housing,  
2 wherein said imaging assembly is a 2D imaging assembly, wherein said reader is  
3 adapted to capture a 2D image representation into said memory, and further wherein  
4 execution of said component control instruction results in said processor controlling  
5 said imaging assembly to capture a 2D frame of image data into said memory.

1 24. The reader of claim 1, wherein said reader includes at least one of a  
2 keyboard and a display.

1 25. The reader of claim 1, wherein said reader includes at least one of a  
2 keyboard and a display, and wherein said component control instruction is a trigger  
3 activation instruction.

1 26. The reader of claim 1, wherein said reader includes at least one of a  
2 keyboard and a display, and wherein said component control instruction is a trigger  
3 release instruction.

1 27. The reader of claim 1, wherein said reader includes at least one of a  
2 keyboard, a display, and an illumination source, and wherein said execution of said  
3 component control instruction results in said illumination source being controlled.

1 28. The reader of claim 1, wherein said reader includes at least one of a  
2 keyboard, a display, and an acoustic output, wherein execution of said component  
3 control instruction results in said acoustic output device being controlled.

1 29. The reader of claim 1, wherein said reader includes at least one of a  
2 keyboard and a display and wherein said memory stores at least one frame of image

3 data, and wherein execution of said component control instruction results in said at  
4 least one frame of image data being uploaded to said remote processor.

1 30. The reader of claim 1, wherein said reader includes at least one of a  
2 keyboard and a display, wherein said imaging assembly is a 2D imaging assembly,  
3 wherein said reader is adapted to capture a 2D image representation into said  
4 memory, and further wherein execution of said component control instruction results  
5 in said processor controlling said imaging assembly to capture a 2D frame of image  
6 data into said memory.

1 31. The reader of claim 1, wherein said reader includes a display, and  
2 wherein said component control instruction is one which when executed by said  
3 reader causes a predetermined indicia to be displayed on said display.

1 32. The reader of claim 1, wherein said reader includes at least one light  
2 source, and wherein said component control instruction when executed by said  
3 reader results in flashing of said at least one light source.

1 33. The reader of claim 1, wherein said reader includes an acoustic output  
2 device, and wherein said component control instruction when executed by said  
3 reader results in a series of beeps being emitted by said acoustic output device.

1 34. The reader of claim 1, wherein said reader includes a gun style housing  
2 and at least one light source, and wherein said component control instruction when  
3 executed by said reader results in flashing of said at least one light source.

1 35. The reader of claim 1, wherein said reader includes a gun style housing  
2 and an acoustic output device, and wherein said component control instruction when  
3 executed by said reader results in a series of beeps being emitted by said acoustic  
4 output device.

1 36. The reader of claim 1, wherein said reader includes at least one of a

2 keyboard and a display and at least one light source, and wherein said component  
3 control instruction when executed by said reader results in flashing of said at least  
4 one light source.

1 37. The reader of claim 1, wherein said reader includes at least one of a  
2 keyboard and a display and an acoustic output device, and wherein said component  
3 control instruction when executed by said reader results in a series of beeps being  
4 emitted by said acoustic output device.

1 38. The system of claim 9, wherein said nonintegrated processor is a local  
2 host processor.

1 39. The system of claim 9, wherein said nonintegrated processor is a local  
2 host processor adapted so that data is input thereto via a graphical user interface.

Q6 1 40. The system of claim 9, wherein said nonintegrated processor is a local  
2 host processor adapted so that data is input thereto via a graphical user interface,  
3 said graphical user interface adapted for use in developing instructions for  
4 transmission to said portable reader.

1 41. The system of claim 9, wherein said nonintegrated processor and said  
2 portable optical reader are in communication via a wireless communication link.

1 42. The system of claim 9, wherein said reader includes a gun style housing.

1 43. The system of claim 9, wherein said reader includes a gun style housing,  
2 and wherein said component control instruction is a trigger activation instruction.

1 44. The system of claim 9, wherein said reader includes a gun style housing,  
2 and wherein said component control instruction is a trigger release instruction.

1 45. The system of claim 9, wherein said reader includes a gun style housing

2 and an illumination source, and wherein said execution of said component control  
3 instruction results in said illumination source being controlled.

1 46. The system of claim 9, wherein said reader includes a gun style housing  
2 and an acoustic output, wherein execution of said component control instruction  
3 results in said acoustic output device being controlled.

1 47. The system of claim 9, wherein said reader includes a gun style housing  
2 and wherein said memory stores at least one frame of image data, and wherein  
3 execution of said component control instruction results in said at least one frame of  
4 image data being uploaded to said remote processor.

1 48. The system of claim 9, wherein said reader includes a gun style housing,  
2 wherein said imaging assembly is a 2D imaging assembly, wherein said reader is  
3 adapted to capture a 2D image representation into said memory, and further wherein  
4 execution of said component control instruction results in said processor controlling  
5 said imaging assembly to capture a 2D frame of image data into said memory.

1 49. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard and a display.

1 50. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard and a display, and wherein said component control instruction is a trigger  
3 activation instruction.

1 51. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard and a display, and wherein said component control instruction is a trigger  
3 release instruction.

1 52. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard, a display, and an illumination source, and wherein said execution of said  
3 component control instruction results in said illumination source being controlled.

1           53. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard, a display, and an acoustic output, wherein execution of said component  
3 control instruction results in said acoustic output device being controlled.

1           54. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard and a display and wherein said memory stores at least one frame of image  
3 data, and wherein execution of said component control instruction results in said at  
4 least one frame of image data being uploaded to said remote processor.

1           55. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard and a display, wherein said imaging assembly is a 2D imaging assembly,  
3 wherein said reader is adapted to capture a 2D image representation into said  
4 memory, and further wherein execution of said component control instruction results  
5 in said reader processor controlling said imaging assembly to capture a 2D frame of  
6 image data into said memory.

1           56. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard and a display and wherein said reader is adapted for communication with  
3 said nonintegrated processor via an RF communication link.

1           57. The system of claim 9, wherein said reader stores at least one frame of  
2 image data, wherein said component control instruction is one which when executed  
3 by said reader causes said at least said one frame of image data to be uploaded to  
4 said nonintegrated processor, wherein said nonintegrated processor is adapted to  
5 subsequently display said uploaded frame of image data on a display associated with  
6 said nonintegrated processor.

1           58. The system of claim 9, wherein said reader includes a display, and  
2 whereon said component control instruction is one which when executed by said  
3 reader causes a predetermined indica to be displayed on said display.



1           59. The system of claim 9, wherein said reader includes at least one light  
2 source, and wherein said component control instruction when executed by said  
3 reader results in flashing of said at least one light source.

1           60. The system of claim 9, wherein said reader includes an acoustic output  
2 device, and wherein said component control instruction when executed by said  
3 reader results in a series of beeps being emitted by said acoustic output device.

1           61. The system of claim 9, wherein said reader includes a gun style housing  
2 and at least one light source, and wherein said component control instruction when  
3 executed by said reader results in flashing of said at least one light source.

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Cord 1           62. The system of claim 9, wherein said reader includes a gun style housing  
2 and an acoustic output device, and wherein said component control instruction when  
3 executed by said reader results in a series of beeps being emitted by said acoustic  
4 output device.

1           63. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard and a display and at least one light source, and wherein said component  
3 control instruction when executed by said reader results in flashing of said at least  
4 one light source.

1           64. The system of claim 9, wherein said reader includes at least one of a  
2 keyboard and a display and an acoustic output device, and wherein said component  
3 control instruction when executed by said reader results in a series of beeps being  
4 emitted by said acoustic output device.

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